# Diphtheria toxin (Corynebacterium diphtheriae)

Elongation factor 2 (EF-2) catalyzes the GTP hydrolysis-dependent translocation reaction that is responsible for the movement of the ribosome along mRNA during protein synthesis. Diphtheria toxin catalyzed ADP-ribosylation of EF-2 inhibits the translocation reaction which halts protein synthesis and ultimately results in cell death. Diphtheria toxin is cell permeable and can translocate across endosomal membranes in response to low pH3.

**Citations:** 10 View Online »

## Ordering Information

Order Online »

| | |
|---|---|
| **BML-G135-0001** | 1mg |

## Manuals, SDS & CofA

View Online »

## Handling & Storage

| | |
|---|---|
| **Use/Stability** | As indicated on product label or CoA when stored as recommended. |
| **Handling** | Avoid freeze/thaw cycles. After reconstitution, prepare aliquots and store at -20°C |
| **Long Term Storage** | +4°C |
| **Shipping** | Ambient Temperature |

## Regulatory Status

RUO - Research Use Only

## Product Details

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|---|---|
| **Formulation** | Lyophilized. |
| **Reconstitution** | Reconstitute with 0.5mL of sterile distilled water |
| **Source** | From *Corynebacterium diphtheriae*. |

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